Technical datasheet

LUKA-XL-727-1-C13301

ARLI

Product description

Luka emits reliably efficient light on traffic roads and
industrial areas to support safety and security outdoors. The
smart function also offers a range of smart city functions.

LED 220-240 V 50-60 Hz IP66 CE CCT 2700 k CRI 70+ **CLO** MidNight Multi-Step Dimming

Product technical data

Mains voltage	220 - 240V AC, 50/60Hz	Ripple	3 %
Connection method	Connection cable	Inrush current	85 A
Dimming type	Non-dimmable	Inrush time	256 µs
IP rating	66	Optical system	Lenses
Protection class	I	Optical part material	Hardened glass
Ambient temperature	-40 to +40 °C	Housing material	Die-cast aluminium
		Surface finish	Powder coated
Light source	LED		
Colour temperature	2700k		
Color rendering index	70	Service lifetime (L80 B10)	>100 000 h
Rated luminous flux	6,216 lm	Warranty	5 years
Connected load	56.50 W		
Luminous efficacy	110.0 lm/W		
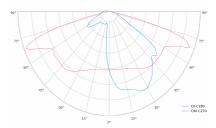
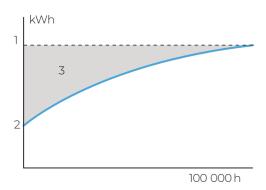## Dimensions

Light distribution

C0-C180
C90-C270

Constant Light Output (CLO)

This system compensates for the depreciation of luminousflux to avoid excess lightingat the beginningof the installation's service life. Luminous depreciation over time must be taken into account to ensure a predefined lightinglevel duringthe luminaire's usefullife.

Without a CLO feature, this simply means increasingthe initial power upon installationin order tomake up for luminous depreciation. By precisely controlling the luminous flux,the energy needed to reach the required level can be maintained throughout the luminaire's life.

A. Dimming level
B. Time

MidNight function

The MidNight function feature allows an autonomous dimming without the need for an additional control line. The output levels can be set to 0% (OFF) or between 10% and 100% in steps of 1%

Time-based: The dimming profile defined in the reference schedule is referenced to the switchon time of the LED driver.

Astro-based: The dimming profile defined in the reference schedule is referenced to the annual average middle of the night, which is calculated based on the theoretical sunrise and sunset times.

1. Standard lighting level
2. LED lighting consumption with CLO
3. Energy savings